

L22 ANSWER 18 OF 22 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1977:469735 CAPLUS

DN 87:69735

OREF 87:11117a,11120a

TI 2,6-Dihydroxy-3-cyano-4-methylpyridine-containing azo dyes which contain a functional amino group

IN Ramanathan, Visvanathan

PA Ciba-Geigy A.-G., Switz.

SO U.S., 16 pp.

CODEN: USXXAM

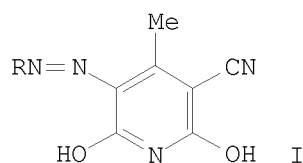
DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 3966706	A	19760629	US 1973-395304	19730907
PRAI	US 1969-827960	A1	19690526		
	US 1971-110240	A1	19710127		

GI



AB Title dyes of general structure I, where R is an aromatic or heterocyclic residue containing an amino group that may be quaternized, give fast yellow or orange dyeings on acrylic fibers. Typical dyes, all prepare by conventional diazo coupling reactions, include I (R = Cl- p-Me₃N+CH₂COC₆H₄) [25826-12-4], I [R = 6-[(dimethylamino)methyl]-2-benzothiazolyl] [25737-76-2], and I [R = 3-[(1-methylpyridinium-3-ylcarbonyl)amino]phenyl] [30205-18-6].

IT 25826-12-4

RL: USES (Uses)

(dye, for acrylic fibers, preparation of)

=> dis his

(FILE 'HOME' ENTERED AT 15:41:08 ON 23 MAY 2008)

FILE 'REGISTRY' ENTERED AT 15:41:20 ON 23 MAY 2008

L1 STRUCTURE UPLOADED

L2 81 S L1 FUL

FILE 'CAPLUS' ENTERED AT 15:42:10 ON 23 MAY 2008

L3 22 S L2

FILE 'REGISTRY' ENTERED AT 15:45:22 ON 23 MAY 2008

L4 STRUCTURE UPLOADED

L5 40 S L4 FUL

FILE 'CAPLUS' ENTERED AT 15:46:45 ON 23 MAY 2008

L6 7 S L5

FILE 'REGISTRY' ENTERED AT 15:49:57 ON 23 MAY 2008

L7 STRUCTURE UPLOADED

L8 0 S L7 FUL

L9 STRUCTURE UPLOADED

L10 196 S L9 FUL

L11 STRUCTURE UPLOADED

L12 220874 S L11 FUL

FILE 'CAPLUS' ENTERED AT 15:58:26 ON 23 MAY 2008

L13 2569 S L10

S L11

FILE 'REGISTRY' ENTERED AT 15:58:34 ON 23 MAY 2008

L14 50 S L11

FILE 'CAPLUS' ENTERED AT 15:58:35 ON 23 MAY 2008

L15 39 S L14

L16 316877 S L12

L17 101 S L13 AND L16

L18 2 S L17 AND PYRIDINOLATE

L19 43 S PYRIDINOLATE

L20 2 S L19 AND AMMONIUM

FILE 'STNGUIDE' ENTERED AT 16:19:17 ON 23 MAY 2008

FILE 'REGISTRY' ENTERED AT 18:02:48 ON 23 MAY 2008

L21 47 S MUTILIN

FILE 'CAPLUS' ENTERED AT 18:04:08 ON 23 MAY 2008

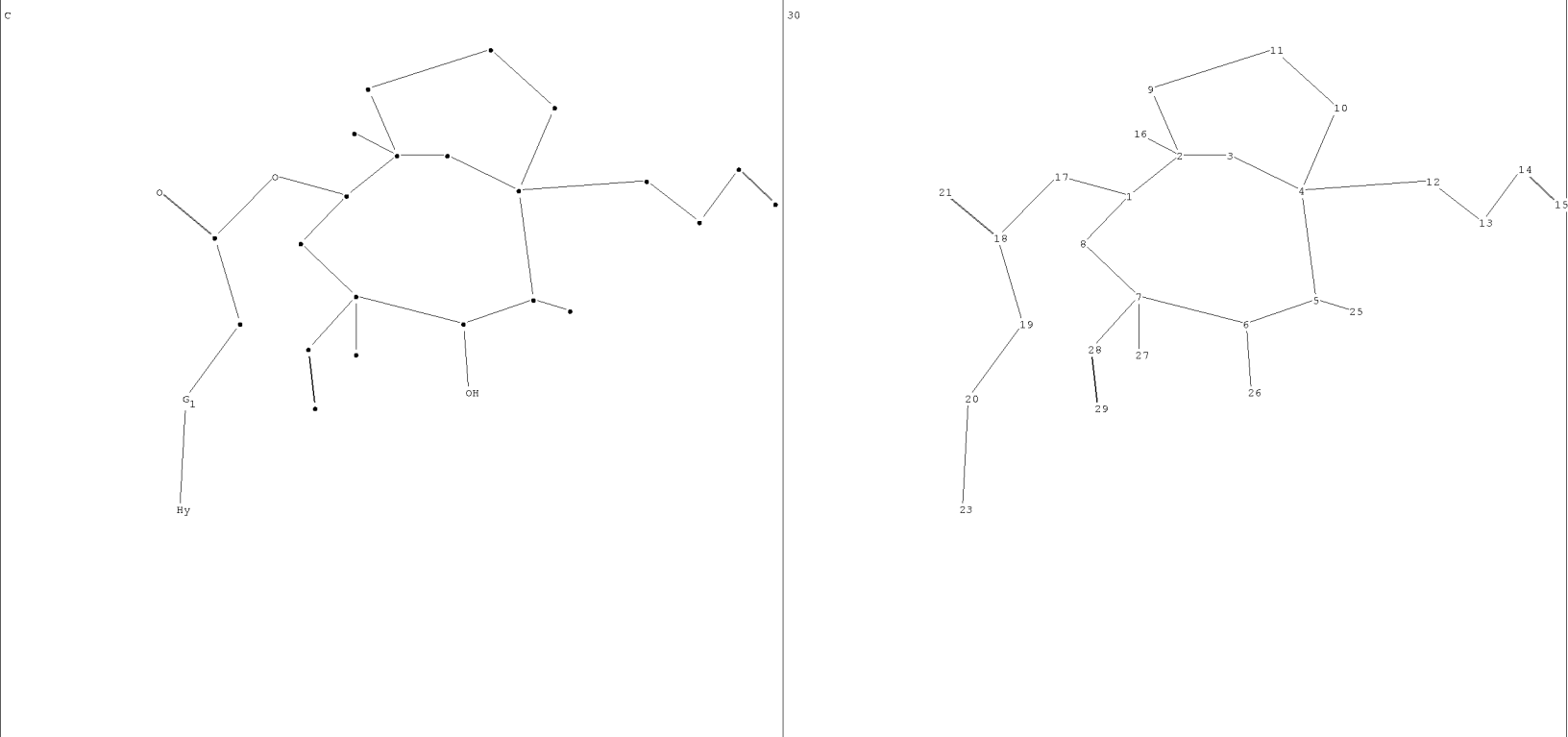
L22 22 S L2

FILE 'REGISTRY' ENTERED AT 18:15:46 ON 23 MAY 2008

L23 STRUCTURE UPLOADED

L24 0 S L23

L25 0 S L23 FUL



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chain nodes :
  12 13 14 15 16 17 18 19 20 21 23 25 26 27 28 29 30
ring nodes :
  1 2 3 4 5 6 7 8 9 10 11
chain bonds :
  1-17 2-16 4-12 5-25 6-26 7-27 7-28 12-13 13-14 14-15 17-18 18-19 18-21 19-20
  20-23 28-29
ring bonds :
  1-2 1-8 2-3 2-9 3-4 4-5 4-10 5-6 6-7 7-8 9-11 10-11
exact/norm bonds :
  1-2 1-8 1-17 2-3 2-9 3-4 4-5 4-10 5-6 6-7 6-26 7-8 9-11 10-11 17-18 18-21 19-20
  20-23
exact bonds :
  2-16 4-12 5-25 7-27 7-28 12-13 13-14 14-15 18-19 28-29

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G1:S,N

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Match level :
  1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
  12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS
  21:CLASS 23:Atom 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS
Generic attributes :
  23:
  Number of Carbon Atoms : less than 7
  Number of Hetero Atoms : Exactly 1
  Type of Ring System : Monocyclic

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Element Count :
  Node 23: Limited
  N,N1

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